

SEQUENCE LISTING

<110> MacLeod, Carol L.
 <120> Inhibition of Cationic Amino Acid Transporter Protein
 and Uses Thereof
 <130> D5232CIP3
 <141> 1999-27-01
 <150> US 08/187,634
 <151> 1994-26-01
 <160> 16

<210> 1
 <211> 25
 <212> DNA
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 <220>
 <222> 489..515
 <223> CAT2 sense oligonucleotide
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tatccaagac ttctttgccg tgtgc 25

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 <222> 1406..1429
 <223> CAT2 antisense oligonucleotide
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gtaggctgaa accctgtcct tgc 23

<210> 3
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 <212> DNA
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 <220>
 <221> primer_bind

<222> 1453..1470
 <223> Primer used in RT of total RNA from mouse cell
 lines SL12.4 and J774, mouse liver and skeletal
 muscle tissues, and from unstimulated and
 stimulated splenocytes to detect CAT2 promoter usage.
 <400> 3
 cgcggaattcc gactgtcgtg tgggcag 27
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 <211> 24
 <212> DNA
 <213> artificial sequence
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 <221> primer_bind
 <222> 489..513
 <223> Primer used to amplify Cat2 isoform
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 tatccagact tctttgccgt gtgc 24
 <210> 5
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 <212> DNA
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 <221> primer_bind
 <222> 1406..1429
 <223> Primer used to amplify Cat2a isoform
 <400> 5
 gtaggctgaa accctgtcct tgc 23
 <210> 6
 <211> 22
 <212> DNA
 <213> artificial sequence
 <220>
 <222> 1071..1093
 <223> CAT2 specific 5'-end labeled oligonucleotide probe

used to authenticate PCR product

<400> 6
tcccaatgcc tcgtgtaatc ta 22

<210> 7
<211> 22
<212> DNA
<213> artificial sequence
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<222> 1159..1181
<223> CAT2a specific 5'-end labeled oligonucleotide probe
used to authenticate PCR product

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<211> 22
<212> DNA
<213> artificial sequence
<220>
<221> primer_bind
<223> Oligonucleotide used to amplify *Cat2* transcripts
from the liver of *Cat2*^{-/-} mice

<400> 8
tgtctgcgcg gatctggaaa gg 22

<210> 9
<211> 22
<212> DNA
<213> artificial sequence
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<221> primer_bind
<223> Oligonucleotide used to amplify *Cat2* transcripts
from the liver of *Cat2*^{-/-} mice

<400> 9
gccctgaatg aactgcagga cg 22

<210> 10
 <211> 27
 <212> DNA
 <213> artificial sequence
 <220>
 <221> primer_bind
 <223> Oligonucleotide used to amplify Cat2 transcripts
 from the liver of Cat2^{-/-} mice
 <400> 10
 cgcggaattcg tctggatact ctgccag 27

<210> 11
 <211> 23
 <212> DNA
 <213> artificial sequence
 <220>
 <221> primer_bind
 <223> Primer used to clone the NOS2 cDNA by RT/PCR
 from mouse mammary tumor cDNA
 <400> 11
 cagtgccctg ctttgtgcga agt 23

<210> 12
 <211> 25
 <212> DNA
 <213> artificial sequence
 <220>
 <221> primer_bind
 <223> Primer used to clone the NOS2 cDNA by RT/PCR
 from mouse mammary tumor cDNA
 <400> 12
 aacgtttctg gctcttgagc tggaa 25

<210> 13
 <211> 67
 <212> DNA

<213> artificial sequence

<220>

<223> Nucleotide sequence of truncated Cat2 cDNA from
Cat2^{-/-} liver

<400> 13

ggcactgccc cagtacgtcc agtgtcgcaa gagcatggag tggcaccttt gacgaacttc 60
ttaataa 67

<210> 14

<211> 5

<212> PRT

<213> artificial sequence

<220>

<223> Predicted protein sequence coded by truncated Cat2 cDNA

<400> 14

Met Glu Trp His Leu

5

<210> 15

<211> 21

<212> DNA

<213> artificial sequence

<220>

<223> Nucleotide sequence of the Neomycin (Neo) cassette

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<210> 16

<211> 9

<212> DNA

<213> artificial sequence

<220>

<223> Nucleotide sequence of Exon 3 at point where Neo cassette
is spliced

<400> 16

gtacgtcca 9